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FIG. 1**A.****Human BNP2:****Nucleotide sequence:**

atggatcccagacagcaccttcccgggcgtcctgctcctgctcttcttgcacatggtttcctgggaggtcgttcca
cccgtgggcagccccggttcagcctcggacttggaacgtccgggttacaggagcagcgcaaccatttcaggggcaaac
tgtcggagctgcaggtggagcagacatccctggagccccctcaggagagccccgtccacaggtgtctggaagtccgg
gaggtagccaccgagggcatccgtgggcaccgcaaaatggctctacacctgcgggcaccacgaagcccaagatggt
gcaagggctgtggtgctttgggaggaagatggaccggatcagctcctcagtggcctgggctgcaaaggaagcacc
tgccacccggccgccttccccattccagtgtgtgacactgttagagtcactttgggggttgtgtctctggaaccac
actctttga (SEQ ID NO:5)

Amino acid sequence:

MDPQTAPSRALLLLFLHLAFLGGRSHPLGSPGSASDLETSGLQEQRNHLQGKLSE
LQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPRSPKMVOGSG
CFGRKMDRISSSSGLGCKGKHPLPPRPPSPIPVCDTVRVTLGFFVSGNHTL (SEQ
ID NO:3)

GKHPLPPRPPSPIPVCDTVRVTLGFFVSGNHTL (SEQ ID NO:1)

B.**DOG BNP-2****Nucleotide sequence:**

atggagccctgcgcagcgtgccccgggccctcctgctcctcctgttcttgcacctgtcgcactcggaggccgccccca
cccgtgggcggccgcagccccacctcggaagcctcggaagcctcggaagcctcggggttggggccgtgcaggagctgc
tgggccgtctgaaggacgcagtttcagagctgcaggcagagcagttggccctggaaccctgcaccggagccacagcccc
gcagaagccccggaggccggggaggaacgccccgtgggggtccttgcacccatgacagtgtcctcaggccctgagaag
actacgcagccccaagatgatgcacaagtcagggtgctttggccggaggctggaccggatcggtccctcagtggcctgg
gctgcaatggttaagccgctccctgccaccttggtccccctccccagccccctgggttcgaccttggaacccttctg
ggtttgtgtctcgggggatcacactctga

Amino acid sequence:

MEPCAALPRALLLLFLHLSPLGGRPHPLGGRSPTSEASEASEASGLWAVQELLGR
LKDAVSELQAEQLALEPLHRSHSPA EAP EAGEERPVGVLAPHDSVLQALRRLRSP
KMMHKSGCFGRRLDRIGSLSGLCNGKPPCHLGSPSPAPWVRPLELLGLLSRGI
TL

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FIG. 2**Human BNP-3****Nucleotide sequence:**

atggatcccagacagcaccttcccgggcgctcctgctcctgctcttcttgcacatcggcttctctgggaggtcgttcca
cccgtgggcagccccgggtcagcctcggacttggaacgtccgggttacaggagcagcgcaaccatttcagggcaaac
tgtcggagctgcaggtggagcagacatccctggagccccctccaggagagcccccgctccacaggtgtctggaagtcccgg
gaggtagccaccgagggcatccgtgggcaccgcaaatggtcctctacaccctgcgggcaccacgaagcccaagatggt
gcaagggtctggctgctttgggaggaagatggaccggatcagctcctccagtggcctgggctgcaaagtgggtgcagaaag
agaaccaaacatttctcctctggttctcttaa (SEQ ID NO:6)

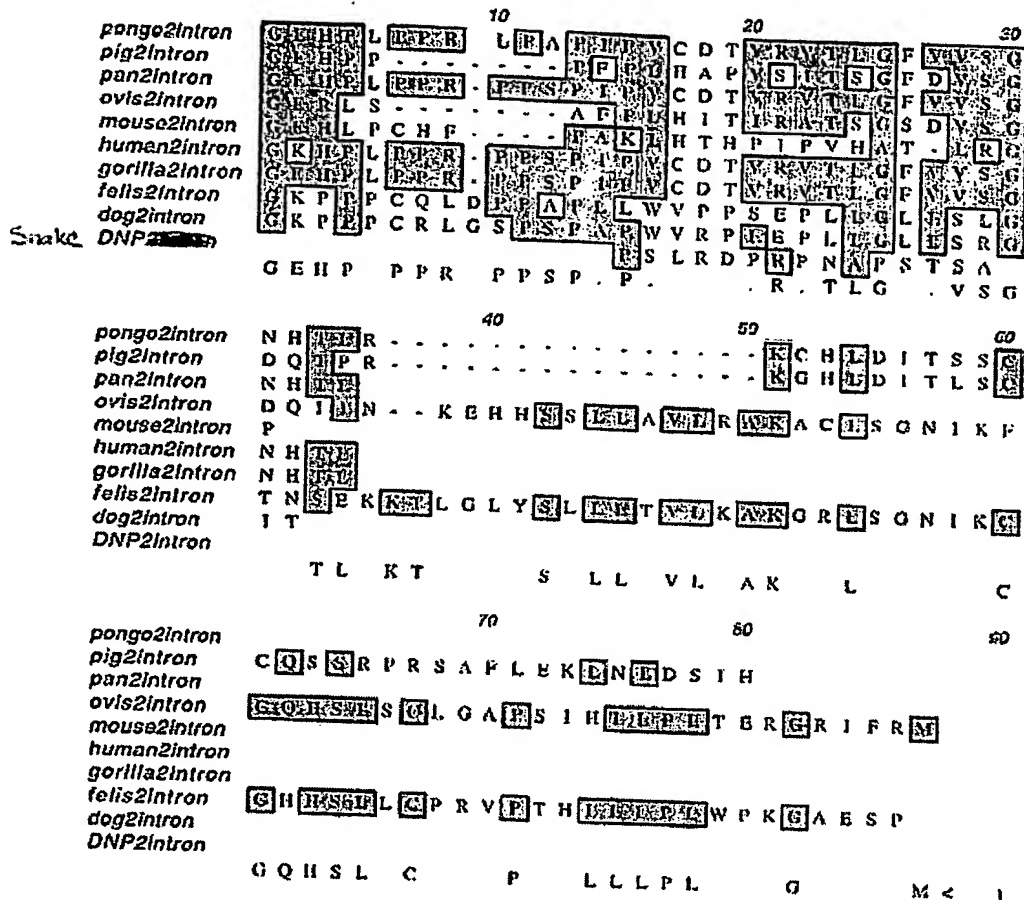
Amino acid sequence:

MDPQTAPSRALLLLFLHLAFLGGRSHPLGSPGSASDLETSGLQEQRNHLQGKLSE
LQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPRSPKMOVQSG
CFGRKMDRISSSSGLGCKVVOKENQTFPPGFL (SEQ ID NO:4)

VVQKENQTFPPGFL (SEQ ID NO:2)

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FIG. 3



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FIG. 4

BNP

SPKMVQGSGCFGRKMDRISSSSGLGCKVLRRH (SEQ ID NO:16)

DNP

EVKYDPCFGHKIDRINHVSNLGCPSLRDPRPNAPSTSADNP (SEQ ID NO:17)

ANP

SLRRSSCFGGRMDRIGAQSGLGCNSFRY (SEQ ID NO:18)

CNP

GLSKGCFGLKLDRI GSM SGLGC (SEQ ID NO:19)